



Contents of Volume 163

Vol. 163 No. 1

Preface	1
On the nanoparticle synthesis in microemulsions: detailed characterization of an applied reaction mixture M. Lade (Berlin, Germany), H. Mays (Uppsala, Sweden), J. Schmidt (Berlin, Germany), R. Willumeit (Geesthacht, Germany) and R. Schomäcker (Berlin, Germany)	3
Adsorption and stability of colloidal silica S. Schwarz, K. Lunkwitz, B. Keßler (Dresden, Germany), U. Spiegler, E. Killmann (Garching, Germany) and W. Jaeger (Teltow, Germany)	17
Synthetic boundary crystallization ultracentrifugation: a new method for the observation of nucleation and growth of inorganic colloids and the determination of stabilizer efficiencies L. Börger, H. Cölfen and M. Antonietti (Potsdam, Germany)	29
Formation of luminescent spherical core-shell particles by the consecutive adsorption of polyelectrolyte and CdTe(S) nanocrystals on latex colloids A.S. Susha, F. Caruso (Potsdam, Germany), A.L. Rogach (Hamburg, Germany), G.B. Sukhorukov (Potsdam, Germany), A. Kornowski (Hamburg, Germany), H. Möhwald (Potsdam, Germany), M. Giersig (Berlin, Germany), A. Eychmüller and H. Weller (Hamburg, Germany)	39
Adsorption of polyelectrolytes onto oxides — the influence of ionic strength, molar mass, and Ca^{2+} ions K. Vermöhlen, H. Lewandowski, H.-D. Narres and M.J. Schwuger (Jülich, Germany)	45
Non metallic restorative materials based on glass ionomer cements — recent trends and developments R. Zimehl and M. Hannig (Kiel, Germany)	55
Influence of the ionic strength on the structure of polyelectrolyte films at the solid/liquid interface R. Steitz (Berlin, Germany), V. Leiner, R. Siebrecht (Grenoble, France) and R. v. Klitzing (Berlin, Germany)	63
Interaction of short DNA fragments with the cationic polyelectrolyte poly(ethylene imine): a dynamic light scattering study T. Hellweg (Chemnitz, Germany), N. Henry-Toulmé, M. Chambon and D. Roux (Pessac, France)	71
Influence of temperature and oil-to-surfactant ratio on micellar growth in aqueous solutions of C_{12}E_3 with decane U. Menge, P. Lang and G.H. Findenegg (Berlin, Germany)	81
Surface effects of lyotropic liquid crystalline phases of nonionic surfactants P. Lang, R. Steitz (Berlin, Germany) and C. Braun (Mainz, Germany)	91
Bulk structure and surface activity of semifluorinated alkanes P. Marczuk, P. Lang (Berlin, Germany) and M. Möller (Ulm/Donau, Germany)	103
Calendar	115

Vol. 163 Nos 2–3

Mechanochemical degradation of 2,4-D adsorbed on synthetic birnessite A. Nasser (New Brunswick, NJ, USA), G. Sposito (Berkeley, CA, USA) and M.A. Cheney (New Brunswick, NJ, USA)	117
Adsorption of Cu^{2+} ions onto silica surface from aqueous solutions containing organic substances N.N. Vlasova (Kiev, Ukraine)	125
The influence of activated carbon surface chemical composition on the adsorption of acetaminophen (paracetamol) in vitro: The temperature dependence of adsorption at the neutral pH A.P. Terzyk and G. Rychlicki (Torun, Poland)	135
Separation of emulsions using fibrous fabric B.J. Briscoe, P.F. Luckham, J.N. Jayarajah and T. Akeju (London, UK)	151
The interaction of cationic and anionic vesicles with zinc citrate dispersions C. Catuogno and M.N. Jones (Manchester, UK)	165
Effect of the counterions on the surface properties of surfactant solutions: kinetics of the surface tension and surface potential I.U. Vakarelski and C.D. Dushkin (Sofia, Bulgaria)	177

Monolayers and Langmuir-Blodgett films of (phthalocyaninato)(tetra-4-pyridylporphyrinato)cerium double-decker hetero-complex D.-J. Qian, H.-G. Liu and J. Jiang (Jinan, PR China)	191
Surface properties and catalytic conversion of cyclohexane over carbon supported bimetallic catalysts S.E. Samra (Mansoura, Egypt), E.A. El Sharkawy (Al-Arish, Egypt) and A.M. Youssef (Mansoura, Egypt)	199
Langmuir isotherms for enantioselective complexation of (D/L)-phenylalanine by cholesteryl-L-glutamate in nonionic micelles P.E.M. Overdevest, A. van der Padt (Wageningen, The Netherlands), J.T.F. Keurentjes (Eindhoven, The Netherlands) and K. van 't Riet (Wageningen, The Netherlands)	209
Flocculation and characterization of protein by anionic copolymer containing reactive functional groups J. Yu, H. Liu and J. Chen (Beijing, PR China)	225
Direct observation of ruthenium complex adsorption at the glass/water interface studied by optical second harmonic generation Y. Yamada, T. Nakano, K. Yamada, T. Matsuo and S. Yamada (Fukuoka, Japan)	233
Liquid drop spreading on solid surfaces at low impact speeds Y. Gu and D. Li (Edmonton, Alberta, Canada)	239
Long-range attraction between silanated silica materials studied by an electrolyte titration with atomic force microscopy D.E. Aston and J.C. Berg (Seattle, WA, USA)	247
The interaction of vitamin K ₁ with phospholipid membranes Y. Asai (Gifu, Japan)	265
Effects of cationic micelles on the rate of intramolecular general base-catalyzed reaction of ionized phenyl salicylate (PS ⁻) with Tris(hydroxymethyl)aminomethane (Tris) M. Niyaz Khan, Z. Arifin, I.A. Wahab, S.F.M. Ali and E. Ismail (Kuala Lumpur, Malaysia)	271
Initial steps of ligand-promoted dissolution of gibbsite E. Molis, O. Barrès, H. Marchand, E. Sauzéat (Vandoeuvre, France), B. Humbert (Villers les Nancy, France) and F. Thomas (Vandoeuvre, France)	283
Micellar kinetics of hydrolysis of hydroxamic acids in zwitterionic sulfobetaine surfactants K.K. Ghosh, A. Pandey and S. Roy (Raipur, India)	293
Hydrothermal synthesis of β -FeO(OH) rod-like particles with uniform size distribution A. Kajiyama and T. Nakamura (Hiroshima, Japan)	301
<i>Calendar</i>	309
<i>Author Index</i>	311
<i>Subject Index</i>	313
<i>Contents of Volume 163</i>	315

